

What we claim is:

1. An improved servo-track writer which is equipped with magnetic heads that are provided in plural pairs and stacked so as to be opposed to respective recording surfaces of a plurality of stacked magnetic disks, head positioning means for positioning the magnetic heads at prescribed positions with respect to the recording surfaces, and servo-track writing means for writing servo-tracks one by one on each of the recording surfaces of the plurality of magnetic disks while the magnetic disks are being rotated and the head positioning means performs positioning, wherein the improvement comprises:

the servo-track writing means includes

means for generating, for each track position, track addresses that are given offset values for the recording surfaces;

means for generating servo pattern data for the recording surfaces independently on the basis of the track addresses; and

means for writing the servo pattern data to the respective recording surfaces in parallel.

2. The servo-track writer according to claim 1, wherein the offset values that are given to the respective recording surfaces are determined on the basis of positional deviations of recording elements of the magnetic heads for the recording surfaces.

3. The servo-track writer according to claim 1, wherein servo-track write start track positions and write end track positions in recording areas of the recording surfaces are offset in accordance with positional deviations of recording elements of the magnetic heads for the recording surfaces.